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(54) Blood-pressure measurement apparatus capable of heart function assessment

(57) An apparatus (10) for blood pressure measurement capable of heart function assessment for readily putting on a living subject, comprising an inflatable cuff including a pressure-pulse-wave sensor (28), which is combined with the cuff at an upper-stream side end of the cuff, when wrapped around an upper-arm portion (14), so as to detect, at the upper-stream side than a blood-flow stopped position, the pressure-pulse-wave, which is of the same waveform as an aorta waveform, while blood-flow is stopped, and an ejection time calculating means (a heart function parameter calculating

means) (100), by which an ejection time ET can be calculated as a time difference from a rising-point to a di-crotic notch of the pressure-pulse waveform for heart function assessment. Since a blood pressure BP also can be measured with the cuff (12), all the putting on the living subject, that is needed to measure the blood pressure and heart-function is to put on the cuff (12), which is combined with the pressure-pulse wave sensor (28), and to wrap the cuff around the upper-arm portion (14), therefore, putting-on becomes more simple and easier for measuring a heart function parameter and a blood pressure.

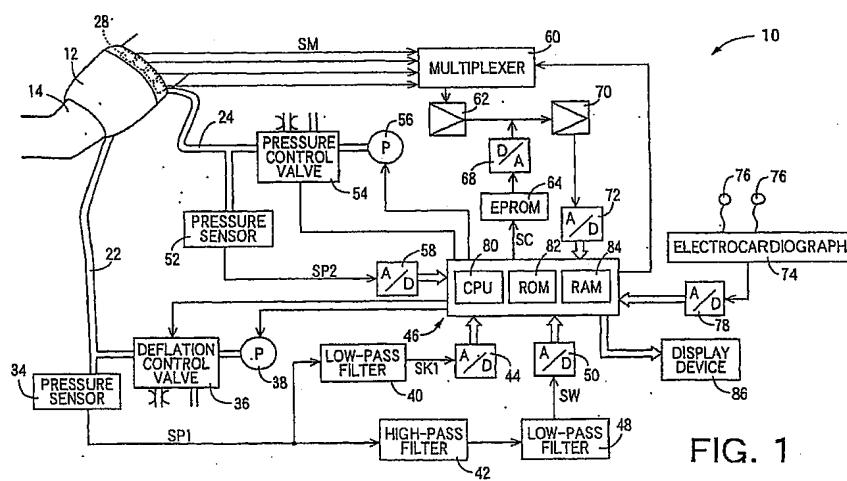


FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
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<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>28 November 2003</td> <td>Knüpling, M</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	28 November 2003	Knüpling, M
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THE HAGUE	28 November 2003	Knüpling, M							
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document							
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ON EUROPEAN PATENT APPLICATION NO.**

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